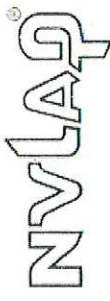




**Certificate of Calibration & Compliance For:**  
**ILLIANA INSTRUMENTATION SERVICE**  
 1831 GOVERT DRIVE  
 SCHERERVILLE, IN 46375



CALIBRATION  
 NVLAP LAB CODE: 200496-0

GeoCorp, Inc.

www.geocorpinc.com

9010 River Road • Huron, Ohio 44839  
 P: 419-433-1101 F: 419-433-1102

17025 Accredited Lab

1735

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 administered by the NIST, an agency  
 of the Department of Commerce.

Calibration #	BC6419	Temperature		Reading		Correction		ASTM E29 AVG. CORRECTION
		Point	FRONT	BACK	FRONT	BACK		
Degree: ° F		32	31.9	31.9	0.1	0.1		0.1
P.O. #:	4313	100	99.9	99.9	0.1	0.1		0.1
		200	199.8	199.9	0.2	0.1		0.2
Description:	Thermocouple Wire	400	399.4	399.5	0.6	0.5		0.6
TYPE	K	600	598.8	598.9	1.2	1.1		1.2
1000'	K20-2-HG	800	799.5	799.6	0.5	0.4		0.4
		1000	1000.3	1000.2	-0.3	-0.2		-0.2
		1200	1200.9	1200.8	-0.9	-0.8		-0.8
		1400	1401.7	1401.6	-1.7	-1.6		-1.6
		1600	1602.5	1602.4	-2.5	-2.4		-2.4
Spool Length:	1000'							
Spool #	GK20203-2-13							
Test Date:	6/29/2022							
Job #:	262298							

This item meets ASTM E230  Special Limits  Standard Limits  New Calibration  Recalibration

BAC 5621 M, Table V +/- 2.0 °F (+/- 1.1 °C) to 1000 °F, +/- 0.4% above  AMS 2750 F Noble Metal +/- 1.0 °F (+/- 0.6 °C) or +/- 0.1%

BAC 5621 M, Table V, FL 4 +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4%  AMS 2750 F Base Metal +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4%

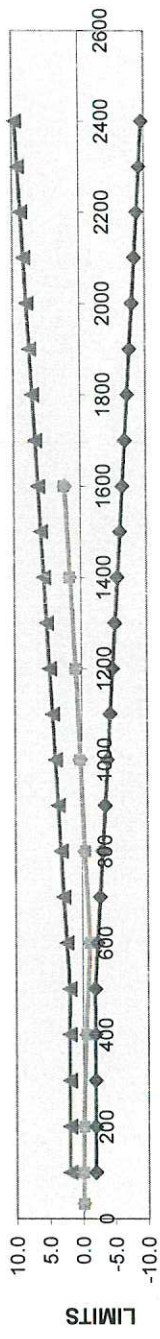
The calibrated equipment used for this test, listed below, is maintained in accordance with AMS 2750F, BAC 5621M (no PSD's), ANS/NCSL Z540-3, ISO 10012, ISO/IEC 17025, RRP 54000, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-19, ASTM E230/E230M-17, GEOCORP QW-001-P

NIST SENSOR: 0000034820	Primary Sensor: A-4410	Primary Inst: Keithley 2701	Humidity: 40% Nominal
Calibrated: 7/29/2021	Calibrated: 5/16/2022	S/N: 4096981	Ambient Temp 72° F
Due: 7/29/2022	Due: 5/16/2023	Calibrated: 7/17/2021	Immersion Depth: 24"
Type: S	Type: S	Due: 7/17/2022	tech: AG by: AG
			Issue Date: 6/29/2022

Estimated uncertainty, k=2, 95 %  
 Thermocouple Type-K: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 °C = 0.89 °C; >1093 °C to 1344 °C = 1.90 °C  
 OR -321 °F to < 32 °F = 1.28 °F; 32 °F to 1999 °F = 1.60 °F; > 1999 °F to 2451 °F = 3.42 °F  
 Thermocouple Type-N: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 °C = 0.89 °C; >1093 °C to 1300 °C = 1.90 °C  
 OR -321 °F to < 32 °F = 1.28 °F; 32 °F to 1999 °F = 1.60 °F; > 1999 °F to 2372 °F = 3.42 °F  
 Thermocouple Type-J: -196 °C to < 0 °C = 0.70 °C; 0 °C to 760 °C = 0.88 °C  
 OR -321 °F to < 32 °F = 1.26 °F; 32 °F to 1400 °F = 1.58 °F

TYPE  
 K Thermocouple Wire

GRAPH DATA



VARIATION FROM TRUE TEMPERATURE

*Noreen Roth*  
 NOREEN ROTH  
 APPROVED SIGNATORY

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